

PROJECT TITLE : AGRICULTURAL CHEMICALS  
PERIOD COVERED : NOVEMBER 1981 - JANUARY 1982  
WRITTEN BY : M. Speck

---

ROUTINE PESTICIDE ANALYSES.

The number of samples analysed for pesticide residues in the period of November 1981 to January 1982 is as follows :

Organochlorines	105
Organophosphorus	105
Methamidophos	2
Dithiocarbamate	101
Maleic Hydrazide	81
Ridomil	50

The total number of samples analysed for pesticide residues at INBIFO in 1981 is given in Table 1.

Table 1 : Number of Samples Analysed in 1981.

Month	Organo-chlorines	Organo-phosphorus	Dithio-carbamate	Maleic Hydrazide	Ridomil
Jan	20	20 (3)	14	15	0
Feb	40	40	32	32	11
Mar	58	58	58	11	0
Apr	75	75	75	74	0
May	57	57	57	57	0
Jun	17	17 (8)	14	18	0
Jul	31	31 (2)	29	29	30
Aug	29	29 (9)	29	33	14
Oct	77	77 (4)	76	66	50
Nov	26	26	25	23	15
Dec	44	44 (2)	43	31	13
TOTAL	474	474 (28)	452	389	133

(a) Numbers in brackets : additional determinations of Methamidophos  
- 4 -

0000143891

Whereas the total number of samples analysed in 1981 was significantly lower than in 1980, the number of samples to be analysed for Maleic Hydrazide in 1981 was about 20% higher than in 1980 (Table 2).

Table 2 : Number of Pesticide Analyses from 1977 to 1981

YEAR OF DE- TERM.	ORGANO- CHLOR.	ORGANO- PHOSPH. (a)	DITHIO- CARB.	MALEIC HYDRAZ.	RIDOMIL	SUM
1977	769	769	500	82	0	2120
1978	773	773	452	191	0	2189
1979	805	805 (31)	430	176	0	2247
1980	641	605 (129)	517	325	150	2367
1981	474	474 (28)	452	389	133	1950

(a) Number in brackets : Additional determinations of Methamidophos

MH - 30

Some PM brands selected by Leaf Department, Lausanne, as well as Camel (Germany) were checked each month from January to July 1981 for MH - 30 residues. The brands analysed and MH - 30 values found are summarized in Table 3. (For the monthly checks between June and December 1980 see Ref. (1)). In no case were the MH - 30 residues on finished products found to exceed the 80 ppm limit recommended in the "West German Regulation on Maximum Pesticide Residue Levels". There was no noticeable trend to higher MH - 30 values from January to July 1981.

REFERENCE

(1) M. Speck, PME Monthly Progress Report - May 1981.

MS/jig/JANUARY 20, 1982

0000143892

Table 3 : MH - 30 Residue Values (ppm) of PM Brands and of Camel (Germany) between January and July 1981

	January	February	March	April	May	June	July
PMI Munich (PMI 01)	(a)	38.4	32.3	37.2	32.3	(a)	35.3
MLF Serrières (MLF 21)	55.7	53.0	38.4	30.3	46.8	48.4	46.5
MLF Holland (MLF 20)	52.6	49.2	44.5	51.1	46.8	44.2	49.9
MLF Austria (MLF 06)	38.4	38.9	30.7	32.6	33.8	37.6	28.0
MLK London (MLK 09)	53.0	56.8	51.8	53.4	50.3	23.0	52.2
MLB Weltab (MLB 18)	49.2	(a)	(a)	(a)	(a)	(a)	(a)
MLB Eindhoven (MLB 02)	42.2	59.1	43.0	47.2	48.4	40.3	57.6
Camel Germany	40.0	25.3	35.3	40.3	30.3	35.7	44.2

(a) No sample available

0000143893